



CUSHMAN



MODEL: TITAN XD (4 PASSENGER)
TYPE: ELECTRIC 48 VOLT INDUSTRIAL BURDEN CARRIER
MODEL YEAR: 2019
Part No.: 671549

PRODUCT SPECIFICATION

CONFIGURATION HIGHLIGHTS

- Solid state continuously variable AC speed controller for increased efficiency
- Dash mounted multi-function display for SOC, speed, and hour meter
- 15.3 ft² of weather proof cargo deck, easily removable for service
- Fold down rear seat for added cargo or passengers
- Four wheel hydraulic brakes with Intellibrake
- E and EE type rating available

Battery Charger: 1000 Watt, 48VDC, 120/240 VAC 60/50 Hz. UL Listed
Motor: 48 Volt AC induction, solid copper windings. Non vented 16.8 hp (12.5 kW) (Peak)
Drive Train: Direct motor shaft connected to transaxle pinion shaft
Electrical System: 48 Volt DC, eight, 6 volt deep cycle batteries (115 minute minimum @ 75 amps, 225 amp-hour @ 20 hr. discharge rate)
Transaxle: Differential with helical gears
Brakes: Front hydraulic disc brakes. Rear wheel hydraulic 160mm self-adjusting drum brakes. Intellibrake automatic parking brake
Cargo Bed: Weather proof deck board, 75 in x 41 in (191 x 105 cm). Removable for access to powertrain.
Capacity: Seating for 4 persons, 3000 pound vehicle capacity

PRODUCT OVERVIEW

Dimensions

Overall Length	114.0 in (290 cm)
Overall Width	44.5 in (113 cm)
Overall Height (Steering Wheel)	47.5 in (120.6 cm)
Overall Height (Optional Cab)	72.0 in (183 cm)
Wheel Base	67 in (170 cm)
Front Wheel Track	38 in (96.5 cm)
Rear Wheel Track	38 in (96.5 cm)
Gnd Clearance @ Differential	4.75 in (12.1 cm)
Cargo Deck Width	41.5 in (105 cm)
Cargo Deck Length	53.5 in (136 cm)
Cargo Deck Load Height	29.0 in (74 cm)
Cargo Deck Material	Weather proof deck board

Performance

Capacity	4 Persons
Dry Weight	1225.0 lb (560 kg) (Without Batteries)
Curb Weight	1720.0 lb (780 kg)
Cargo Deck Load Capacity	2200 lb (998 kg)
Vehicle load capacity	3000 lb (1361 kg)
Outside Clearance Circle	21.25 ft (6.47 m)
Intersecting Aisle Clearance	84.0 in (213 cm)
Speed (Level Ground)	Haul Mode: 14 mph ±.5 (21 kph ± 0.8) Tow Mode: 5 mph ± .5 (8.1 kph ± .8)
Drawbar	211 lb (96 kg) Normal, 1015 lb (460 kg) Max
Towing Capacity*	8000 lb (3628 kg)

Vehicle Power

Power Source	48 Volts DC
Motor Type	AC Induction
Horsepower (kW)	16.8 HP (12.5 kW) Peak
Electrical System	48 Volt
Batteries (Qty, Type)	Eight, 6 Volt Deep Cycle
Key or Pedal Start	Pedal Start
Battery Charger	48V On-Board, 120/240 VAC UL
Speed Controller	450 Amp AC
Drive Train	Motor Shaft Direct Drive
Transaxle	Differential with Helical Gears
Gear Selection	Dash Mounted Forward-Neutral-Reverse
Rear Axle Ratio	17:1

Steering & Suspension

Steering	Rack and Pinion
Front Suspension	Independent, Transverse Leaf Spring, Shocks
Rear Suspension	Leaf Springs & Shock Absorbers
Service Brake	Front hydraulic disc, Rear hydraulic drum
Parking Brake	Intellibrake Automatic Parking Brake
Front Tire	5.70 x 8 (Load Range C)
Rear Tires	5.70 x 8 (Load Range C)

Body & Chassis

Frame & Body	Welded steel with DuraShield™ powder coat
Body & Finish	Diamond plate ptn. Polyester primer + acrylic
Standard Color	Yellow

Noise & Vibration

Noise	Sound pressure; continued A-weighted =/ < 70 db(A)
Vibration, WBV	Highest RMS value of weighted acceleration is less than 2.5 m/s ²
Vibration, HAV	Highest RMS value of weighted acceleration is less than 2.5 m/s ²

Measurement methods were applied per the ISO 2631 and ISO 5349 standards under conditons of typical vehicle surfaces.



OPTIONS & FIELD INSTALLED ACCESSORIES (Installation not included)*

Item	Std	Opt	Fld	Item	Std	Opt	Fld
TIRES & WHEELS:				ELECTRICAL:			
Front & Rear:				Batteries			
5.70 x 8 (Load Range C)	●			T-105 Batteries	●		
5.70 x 8 Solid		●		T-145 Batteries		●	
5.70 x 8 Non-Marking Solid		●		Battery Fill System		●	
COLORS:				Battery Chargers			
Vehicle Color - Safety Yellow	●			48V On-Board, 1000 Watt	●		
Vehicle Color - Hunter Green		●		48V On Board, 1500 Watt		●	
Vehicle Color - Artic White		●		NEMA 5-15P Cord	●		
Vehicle Color - Flame Red		●		NEMA 6-15P Cord		●	
Custom Vehicle Color		●		Lighting Package:			
WEATHER PROTECTION				LED Brake Lights/Tail Lights	●		
Sun Canopy - Short			●	Headlights	●		
Sun Canopy - Long			●	LED Headlights		●	
Windshield (Requires Long Sun Canopy)			●	Turn Signals		●	
Windshield, Fold Down (Requires Short Sun Canopy)			●	Miscellaneous:			
Weather Protection Enclosure (Lg Top & Windshld Req'd)			●	Hour Meter	●		
Black Cab with Clear Doors			●	Operator Presence Switch	●		
CARGO AREA				State of Charge Meter	●		
Box Sides & Tailgate			●	USB Outlet	●		
Cargo Deck (Steel)		●		Forward Motion Indicator		●	
GUARDS AND TOWING				Type 'E' Classification		●	
Bumper - Front		●		Type 'EE' Classification		●	
Bumper - Rear		●		CE Certification		●	
Hitch, Pintle (Requires Rear Bumper)		●		Deck Lock		●	
Hitch, Clevis (Requires Rear Bumper)		●		Hand Brake		●	